

What is claimed is:

1. A method for removing phosphorus from water to be treated, which comprises immersing electrodes into a tank filled with the water to be treated, applying a DC voltage between the electrodes to generate hydroxide ions through a cation migration in the water and/or an electrolysis, and precipitating phosphate ions in the water as a salt slightly soluble in water.

2. The method according to claim 1, wherein the tank is filled with granular solids.

3. The method according to claim 1, wherein the electrodes are a multi-electrode system.

4. The method according to claim 1, wherein the cation migration and accumulation and/or the electrolysis are conducted while flowing the water to be treated through the tank.

5. The method according to claim 1, wherein the granular solids are sands, glass beads, or shells.

6. The method according to claim 3, wherein the multi-electrode system is porous or meshed.

7. The method according to claim 1, wherein the water to be treated contains calcium ions and/or magnesium ions.

8. The method according to claim 1, wherein a phosphorus compound removed from the water to be treated is recovered by back wash.

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